



Preliminary Programme

„Deltas & Wetlands” DDNI Scientific Events Community, 32nd edition Deltas & Wetlands International Symposium

Tulcea, May 12 - 17, 2025

- ✓ **May 12, 2025 (Monday)** - Arrival of participants
 - 14.30 - 16.30 - Consultation Meeting (Internal debate regarding the reorganization of DDNI Tulcea in the context of Law 183/2024)

- ✓ **May 13, 2025 (Tuesday)**

[Venue: „Mihail Kogălniceanu” City Hall, 20 Păcii Street, Tulcea](#)

 - 09.30 - 10.00 - Registration of participants (*Romanian time*)
 - 10.00 - 11.30 - **Opening ceremony** - Dr. Biol. **Marian TUDOR**, General Director of DDNI, event host
- Guest of honor: Dr. **Andrei ALEXANDRU**, President of the National Research Authority
 - 11.30 - 11.45 - The awarding of the honorary plaques: "Researchers Emeritus" for Dr. **Andrei ALEXANDRU**, Prof. Dr. **Adrian CURAJ**, **Dr. Eng. Mircea STARAȘ** and Dr. **Janos Botond KISS**, honorary hydrotechnical engineer for Eng. **Romulus ȘTIUCĂ**
 - 11.45 - 12.30 - **Keynote Speakers**
 - Mrs. **Magdalena-Andreea STRACHINESCU-OLTEANU**, Head of Unit, DG MARE, EC - *From Green Deal to Ocean Pact*
 - 12.30 - 14.00 - *Lunch & Networking*
 - 14.00 - 15.00 - **Roundtable debate**
 - **UN Mega Deltas Programme: Climate Change Adaptation and Enhancing Ecosystems Services for a Resilient Future**
 - Panelists: Prof. Dr. **Nadia PINARDI ***, Prof. Dr. **Liviu GIOSAN**, Prof. Dr. **Qing HE**, Prof. Dr. **Katrin TEUBNER**
 - 15.00 - 16.00 - **Symposium interview**
 - Prof. Dr. **Adrian STĂNICĂ**, Prof. Dr. **ZHU Hui**, Prof. Dr. **QING He**, Prof. Dr. **Hamada Mohamed MAHMOUD**
 - 16.00 - 16.15 - *Coffee break & Networking*
 - 16.15 - 17.00 - **Green Deal Challenges - Oceans Pact: 3D (Decarbonising Danube Delta) Cluster**
 - 17.00 - 17.30 - **PICO - Innovative business approaches**
 - Mr. **Sorin BOGDAN**, MDS Electric SRL: *Equipment and solutions for water and environment*
 - Mrs. **Cătălina BAROȘ**, Verder Romania: *Preparation of laboratory samples for the analysis of soils and sediments of aquatic ecosystems*

[Venue: Avramide HOUSE, 32 Progresului Street, Tulcea](#)

 - 17.45 - 18.30 - **Posters presentations & Coffee**
 - 19.00 - *Festive dinner*



✓ **May 14, 2025 (Wednesday)**

Venue: „Mihail Kogălniceanu” City Hall, 20 Păcii Street, Tulcea

▪ 09.00 - 10.00 - **Keynote Speakers**

- Dr. **Gabriel LUPU**, Danube Delta National Institute for R&D: *Status of biodiversity, reed habitats, sustainable exploitation of natural re-sources, invasive species, and socio-economic implications in Danube Delta Biosphere Reserve in 2024*
- Prof. Dr. **XIUZHEN Li**, East China Normal University, China: *Restoration of Coastal wetlands in China: Chances and Challenges*
- Prof. Dr. **Enikő Anna TAMÁS**, Ludovika University of Public Service: *Floodplain management under changing conditions*

▪ 10.00 - 12.50 - **Section I, Biodiversity & nature conservation, natural resources & Socio-economic aspects**

○ *Convener: Prof. Dr. **Katrin TEUBNER**, Co-convener: Dr. **Gabriel LUPU***

Hamada-Mohamed MAHMOUD, Raluca-Ioana NICOLAE, Abdel-Rahman RAGAB, Ștefan-Cătălin POPESCU	Bridging wetlands: Ecological lessons from the Danube and Nile Deltas
David TSISKARIDZE, Irakli MIKELADZE	Distribution and invasiveness of some invasive alien species (IAS) of plants in ecosystems of Colchis lowland (W Georgia / Sakartvelo)
Siniša OZIMEC, Tihomir FLORIJAČIĆ, Denis DEŽE, Dragan PRLIĆ, Ivan DAMJANOVIĆ	The LIFE RESTORE for MDD project and biotic monitoring at Bjelobrdska Oxbow Lake (Croatia)
Carmen MATEESCU	A nature-based approach for bioresource recovery harvested from the inland and coastal eutrophicated waters to produce bioenergy and byproducts
Ilya OPRYSHCENKO, Larysa VOITENKO	Current water crisis in Ukraine: non-random scenario
Liliana ENE, Mihai DOROFTEI, Gabriel LUPU, Aurel NĂSTASE, Mihai MARINOV, Vasile ALEXE, Marian MIERLĂ	Research on the Natural, Touristic, Cultural, and Spiritual Heritage of the Danube Delta Biosphere Reserve in the Context of Sustainable Development and Global Changes. Issues, Challenges, Perspectives
Katrin TEUBNER, Dragoș BALAIAN	Empowering Future Environmental Leaders: Short- and Long-Term Benefits of the IAD Summer School
Markus G. WEINBAUER	Viruses and flagellates: competitors for bacteria prey?
Bogdan DRUGĂ, Charlotte L. BRIDDON, Maria NICOARĂ, Adriana HEGEDŪS, Mridul K. THOMAS	Evolution in Action: <i>Skeletonema marinoi</i> 's Adaptive Growth to Climate Extremes
Simon RACÉ, Anatolie RÎȘINĂ	The importance of Nature-based Solutions education in biodiversity conservation, the case study of Moldova within NBS EduWORLD
Silvia CARDASCIA	Challenges and Opportunities in Protecting and Conserving Global Inland Waters: A systematic Literature Review and Research Directions
Ovidiu ILIESCU, Cătălin PETRIȚAN, Constantin NEȚOIU	The role of entomopathogenic microorganisms over the evolution of <i>Lymantria dispar</i> (Linnaeus, 1758) (Lepidoptera: Erebidae) populations in Euramerican Poplar Hybrids (<i>Populus</i> spp.) crops of the Danube Delta
Ana-Maria CÎMPEANU, Victor SURUGIU, Aurel NĂSTASE, Marian PARASCHIV, Ștefan HONȚ, Marian IANI, Dragoș - Lucian GORGAN	Molecular confirmation and phylogenetic analysis of <i>Macrobrachium nipponense</i> in the Danube Delta
Alexandru DOROȘENCU, Lucian BOLBOACĂ, Vasile ALEXE, Mihai MARINOV, Andreas SMITH	The Radar Method: A Scalable Approach to Aeroecological Research in the Danube Delta

▪ 13.00 - 14.30 - **Lunch & Networking**



- 14.30 - 16.00 - **Keynote Speakers**
 - Prof. Dr. **Mirna HABUDA-STANIĆ**, University of Osijek: *The Climate Change and Water Cycle - Current Situation and Future Predictions*
 - Prof. Dr. **Jurica JUG-DUJAKOVIĆ**, University of Dubrovnik: *Preservation of biological diversity, reduction of water and land use by applying new technologies in aquaculture*
 - Prof. Dr. **Liviu GIOSAN**, Woods Hole Oceanographic Institution, USA: *Mesopotamian Megadelta Morphodynamics: Key to Understanding the Cradle of Western Civilization*
- 16.00 - 16.15 - *Coffee break & Networking*
- 16.15 - 18.00 - **Section II, Environmental factors. Ecological restoration and Anthropic Impact**
 - *Convener: Prof. Dr. **Jurica JUG-DUJAKOVIĆ**, Co-convener: Dr. **Adrian BURADA***

ZHU Hui, JIANG Ming	Wetland Restoration Benefits Biodiversity Conservation
Ana GAVRILOVIĆ	How innovative monitoring and prediction models for sediment spillage can improve the Danube Delta and the Black Sea in Romania
Daniel Mareș MIHALACHE	A presentation about the impact of plastics and pollutants to the environment and population near the Danube
Flavia BORTEȘ, Andreea LUPITU, Cristian MOISA, Dana COPOLOVICI, Lucian COPOLOVICI	Interactive Effects of Rising CO ₂ Levels and Drought Stress on Photosynthesis and Metabolic Profiles in <i>Raphanus sativus</i>
Mirel Bogdan ION, Marie Alice GHÎTESCU, Florentina IONIȚĂ, Mirela FĂTU	Measures for improving the ecological and hydrological conditions of the wetland Cășlița from Chilia Veche village, Tulcea county
Natalia CANDU, Iunia PODOLEAN, Magdi El FERGANI, Simona M. COMAN	From marine sulfated polysaccharide ulvan to 2,5 - furandicarboxylic acid (FDCA): a catalytic approach toward biopolymers production
Tudor RACOVICIANU, Mihai ADAMESCU, Constantin CAZACU, Sorin CHEVAL, Vasile CRACIUNESCU, Alexandru DUMITRESCU	Integrated platform for wetland restoration and decision - making
Andreea ARDELEAN *, Bianca-Denisa CHEREJI, Florentina-Daniela MUNTEANU	Cadmium: a possible pollutant of the Mureș river
Maria NICOARĂ, Alexia PRIPON, Adina BAIU, Bogdan DRUGĂ	Acclimation vs adaptation: a study on the thermal tolerance of cyanobacterium <i>Microcystis aeruginosa</i>
Enrique MURCIANO, Lorena JUSTE, Juan Pablo DÍAZ, Ernesto ÁLVAREZ	PIGARGO's project: reintroduction project of the white-tailed eagle <i>Haliaeetus albicilla</i> in Spain. Releasing technique

✓ **May 15, 2025 (Thursday)**

Venue: „Mihail Kogălniceanu” City Hall, 20 Păcii Street, Tulcea

- 09.00 - 09.30 - **Keynote Speaker**
 - Prof. Dato' Dr. **Aileen TAN SHAU HWAI, FASc**, Universiti Sains Malaysia (USM) - *Translating Marine Science Findings to Actionable Solutions*
- 09.30 - 12.30 - **Section III, Mission Ocean. New Research approaches**
 - *Convener: Dr. **Delia DIMITRIU**, Co-convener: Dr. **Iulian NICHERSU***

Hugo FARIA, Maria JOSÉ DURÃO, Lara SOUSA	Impact assessment framework: building a mindset
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- 12.30 - 14.00 - *Lunch & Networking*



- 14:00 - 15:30 - **Carbon-Neutral Construction Strategy Roundtable** (ReBorn project, funded by EUKI Programme)
The event aims to explore the role of individual behaviors, public policies, and local innovation in the transition towards zero-emission buildings (ZEB). The discussion will focus on the potential of natural materials as sustainable solutions and on ways to generate meaningful change through effective policies, education, and cross-sector collaboration.
- 15.30 - 16.00 - **Keynote Speaker**
 - Prof. Dr. Eng. Habil. **Mihai DATCU**, National University of Science and Technology Politehnica Bucharest, visiting professor ESA Φ-lab: *Digital Twin Earth systems: Satellite Remote Sensing for assesment of environmental impacts*
- 16.00 - 16.15 - *Coffee break & Networking*
- 16.15 - 17.30 - **Section IV, Geographical Information System and Application System Modeling**
 - *Convener: Mr. **Hans Marius SCHUSTER**, Co-convener: Dr. **Alexandru BĂNESCU***

Florin MIRON, Florin ZĂINESCU, Florin TĂTUI, Edward ANTHONY	Enhanced Integration of SWOT Data for Hydrological Monitoring in the Danube Delta
Hans Marius SCHUSTER	H2 METAVERSE & GreenH2Danube
Mihnea - Ștefan COSTACHE *, Miruna-Amalia NICA, Valentina-Mariana MĂNOIU, Bogdan OLARIU	Assessment of negative impact of Russian aggression against Ukraine on water quality and pollution, using Web of Science information, GIS and remote sensing. A provocative review
Marian MIERLĂ, Mihai DOROFTEI	Preliminary work on adopting digital method for collecting habitat evaluation data
Marian MIERLĂ, Mihai DOROFTEI, Simona Dumitrița CHIRILĂ, Cristian TRIFANOV, Silviu COVALIOV, Florentina SICRIERU	Using GIS in assessing vegetation vulnerability to climate changes in the Danube Delta Biosphere Reserve
Ion GRIGORAȘ, Marian MIERLĂ, Mihai DOROFTEI, Silviu COVALIOV, Cristian TRIFANOV	Using image segmentation in day-to-day mapping
Răzvan MATEESCU, Liliana RUSU, Elena VLĂSCEANU, Robert NENIȚĂ, Dragoș NICULESCU	The influence of the coastal current dynamics on the development of barrier islands at Danube river mouths

- 17.30 - 18.00 - **Conclusions & Awards**

✓ **May 16, 2025 (Friday)**

Venue: Danube promenade, Delta Hotel

- 09.00 - 19.00 - Field trip in the Danube Delta Biosphere Reserve

✓ **May 17, 2025 (Saturday)** - Departure of participants

* - **online participation**



Posters:

Section I, Biodiversity & nature conservation, natural resources & Socio-economic aspects

Alexandru Cătălin DOROȘENCU	The Radar Method: A Scalable Approach to Aeroecological Research in the Danube Delta
Ivan DAMJANOVIĆ, Dragan PRLIĆ, Siniša OZIMEC, Ivana PAVASOVIĆ, Željka VREBAC, Tomislav MANDIR	Bird fauna of the Special Ornithological Reserve "Podpanj" in Croatia within the Mura-Drava-Danube transboundary Biosphere Reserve
Simona Dumitrița CHIRILĂ, Mihai DOROFTEI, Kiril VASSILEV, Stoyan NIKOLOV	<i>Centaurea jankae</i> in Romania and Bulgaria: ecology, distribution and phytocoenology
Simona Dumitrița CHIRILĂ, Mihai DOROFTEI, Cristian TRIFANOV, Alexandru BĂNESCU, Gabriel LUPU, Vasile ALEXE, Alexandru Petre NAUM, Oliver LIVANOV, Ana Mariana CHIRILĂ, Marian MIERLĂ, Matei SIMIONOV, Silviu COVALIOV, Mihai MARINOV	Biodiversity analysis in some natural islands in the Danube Delta
Simona Dumitrița CHIRILĂ, Ștefan RĂILEANU, Nikolay VELEV, Livia Oana DAVID	Plant palatability and its correlations with environmental factors in some pastures of the Danube Delta
Simona Dumitrița CHIRILĂ, Ioana Cătălina PAICA, Cristian BANCUI, GABRIEL Mihai MARIA, Anca MANOLE, Mihnea VLADIMIRESCU	Preliminary analysis of the genetic structure of <i>Crambe tataria</i> populations in Romania using ISSR markers
Simona Dumitrița CHIRILĂ, Alexandru Sabin BĂDĂRĂU, Ana Mariana CHIRILĂ, Sretco MILANOVICI, Kiril VASSILEV	Ecology, distribution and phytocoenology of <i>Pontechium maculatum</i> in Romania
Simona Dumitrița CHIRILĂ, Mihai DOROFTEI, Marian MIERLĂ	Phytocoenological preferences, distribution, and conservation status of <i>Gymnospermium odessanum</i> in Romania
Simona Dumitrița CHIRILĂ, Mihai DOROFTEI, Mátis ATTILA, Adrian OPREA, Culiță SÎRBU	Population characteristics and habitat preferences of the threatened species <i>Trachomitum venetum</i> in Romania
Emilian STOICA, Corneliu Mihăiță POHONȚU	Evaluation of contamination by heavy metals through bioaccumulation and biomagnification in the avifauna of the Fălticeni area
Abbas NAQIBZADEH, Ruhollah ASGARI, Cezary MITRUS, Attila NÉMETH	Habitat Preference for Nesting and Foraging of Eurasian Spoonbill (<i>Platalea leucorodia</i>) in Breeding Season
Viorel CUZIC	Observations on the species <i>Bucephala clangula</i> in Northern Dobrogea
Iasemin SULIMAN, Iuliana-Mihaela TUDOR, Silviu COVALIOV, Mihai DOROFTEI, Orhan IBRAM, Adrian BURADA, Cristina DESPINA, Daniela SECELEANU ODOR, Bogdan GHEORGHE, Nicoleta MATEI, Cristian TRIFANOV, Marian MIERLA, Dragoș BALAIKAN, Matei SIMIONOV, Marian TUDOR	Assessment of carbon sequestration and hazardous chemical storage in reed habitats of the Danube Delta Biosphere Reserve's fluvio-marine sector
Ștefan RĂILEANU, Livia-Oana DAVID, Simona Dumitrița CHIRILĂ	The influence of parasitic populations on the health of domestic animals on pastures near some localities in the Danube Delta
Liliana ENE, Marian MIERLĂ, Florentina SICRIERU, Gabriel LUPU	Culinary heritage a resource for sustainable tourism. The role of local gastronomic points in the Danube Delta Biosphere Reserve (Tradition, Diversity and Tourist Value).
Florentina SICRIERU, Marian MIERLĂ	The Evolution of Demographic Structure in the Danube Delta between 1992 and 2021
Gabriel LUPU, Silviu COVALIOV, Mihai DOROFTEI, Marian MIERLĂ, Matei SIMIONOV, Aurel NĂSTASE, Irina CENIȘENCU, Iulian FOMICI, Simona-Dumitrița CHIRILĂ, Alexandru NAUM, Alexandru DOROȘENCU, Lucian BÔLBOACĂ, Mihai MARINOV, Vasile ALEXE, Florentina SICRIERU, Liliana ENE	Integrated Assessment of Biodiversity, Reed Habitats, Sustainable Resource Use, Invasive Species, and Socio-Economic Dynamics in the Danube Delta Biosphere Reserve (2024)
Lavinia-Elena NEGRUȚI, Ciprian-Claudiu MÂNZU	Population updates and comparative assessment of <i>Ligularia glauca</i> (L.) O. Hoffm. in the north of Romania
Simona Dumitrița CHIRILĂ, Bogdan-Iuliu HURDU, Marjan NIKETIĆ, Uroš BUZUROVIĆ, Iuliia VASHENIAK	Ecology, chorology, and phytocoenology of <i>Viola jooi</i> in Romania, Ukraine and Serbia



Simona Dumitrița CHIRILĂ, Alexandru Sabin BĂDĂRĂU, Mihai DOROFTEI, Kiril VASSILEV, Iuliia VASHENIAK	<i>Salvia nutans</i> : ecology, biogeography, and phytocoenology in Romania
Silviu COVALIOV, Mihai DOROFTEI, Marian MIERLĂ, Simona-Dumitrița CHIRILĂ, Gabriel LUPU, Marius Mirodon FĂGĂRAȘ	Sustainable Beekeeping and Biodiversity in the Danube Delta Biosphere Reserve: Contributions to Research and Resource Valorization
Simon RACÉ, Anatolie RISINA	The importance of Nature-based Solutions education in biodiversity conservation, the case study of Moldova within NBS EduWORLD
Ionuț Dănuț COSTACHE, Mircea Nicușor NICOARĂ, Dorel URECHE	Evaluating the health indicators of <i>Phoxinus phoxinus</i> in a mountain stream ecosystem
Dragan PRLIĆ	A contribution to amphibious, aquatic and marshland habitat distribution in Nature park Lonjsko polje, Croatia
Andreea - Viviana VICOL, Petronel SPASENI, Ștefan Remus ZAMFIRESCU, Alexandru STRUGARIU	Microhabitat selection of the threatened Moldavian viper (<i>Vipera ursinii moldavica</i>)
Lara SOUSA, Maria JOSÉ DURÃO, Hugo FARIA	Associated Regions: scaling wetlands restoration
Gleice SANTOS, Maria MIRABELA, Kemal Ali GER, Bogdan DRUGA, Ferenc JORDAN	Feeding selectivity and trophic links of a dominant cyclopoid copepod
Ioana CAPRAR, Miguel MARTÍN, Carmen HERNANDEZ-CRESPO, Darío CALZADILLA CABRERA, Calin BACIU	Tancat de la Pipa wetland as a natural filter: microplastic dynamics and control mechanisms
Ana SIMIONOV, Daniela Nicoleta HOLOSTENCO, Elena TAFLAN, Daniela POREA, Adela AMBROSIMOV, Marian IANI, Marian PARASCHIV, Ștefan HONȚ, Adrian BURADA, Sergiu Emil GEORGESCU	Tracking Genetic Diversity and Structure in a Declining Giant: Beluga Sturgeon in the Lower Danube River
Adela AMBROSIMOV, Ana SIMIONOV, Orhan IBRAM, Elena TAFLAN, Daniela Nicoleta HOLOSTENCO, Daniela POREA	Assessing eDNA metabarcoding primers for studying freshwater macroinvertebrates in the Danube Delta

Section II, Environmental factors. Ecological restoration and Anthropic Impact

Lucian BOLBOACĂ, Mihai DOROFTEI, Vasile ALEXE, Alexandru Cătălin DOROȘENCU, Mihai MARINOV, Silviu COVALIOV, Marian MIERLĂ, Gabriel LUPU	Temporal Analysis of Burned Areas in the Danube Delta Biosphere Reserve Using EFFIS Data
Ștefan HONȚ, Alexandru Cătălin DOROȘENCU, Marian PARASCHIV, Marian Ion IANI, Linda Van DUIVENBODE, Jan Kees SCHAKEL	Using Cluey Data Collector for Mapping and Identifying Human-Wildlife Conflict Hotspots in the Danube Delta Biosphere Reserve
Vasile ALEXE, Lucian - Eugen BOLBOACĂ, Narcis - Daniel MAFTEI, Mihai MARINOV, Janos Botond KISS, Alexandru-Cătălin DOROȘENCU	Mortality of vertebrate species on the roads within the Natura 2000 sites (ROSPA0031, ROSCI0065) and the areas adjacent to the territory of the Danube Delta Biosphere Reserve in eastern Dobrogea (Romania)
Daniela SECELEANU-ODOR, Adrian BURADA, Cristina DESPINA, Nicoleta MATEI, Bogdan GHEORGHE, Mihaela ȚIGĂNUȘ, Iasemin SULIMAN, Orhan IBRAM, Iuliana-Mihaela TUDOR	Current status of water quality in Danube Delta Biosphere Reserve lakes between 2023 - 2024
Maria LANȚ, Corneliu Mihăiță POHONȚU	Effects of pesticides on the development of larval amphibians in aquatic ecosystems
Adelina Ecaterina BANTAȘ, Corneliu Mihăiță POHONȚU	Biological implications on <i>Lumbricus terrestris</i> communities in heavy metals polluted soils
Diana DANILOV, Valentina COATU, Luminita LAZAR, Andra OROS, Elena RISTEA, Nicoleta DAMIR, Cristian DANILOV, Lorena DEDIU	Analysis of polycyclic aromatic hydrocarbons from water to fish
Elena RISTEA, Andra OROS, Nicoleta DAMIR, Diana DANILOV, Vasile LAVRIC	Inter-Species Variability in Heavy Metal Bioaccumulation Among Marine Mollusks from the Romanian
Ionuț - Alexandru CHELARU, Dorel URECHE, Ramona CIAUSU, Roxana JIJIE, Andrei Gabriel ANDRONIC, Alin Stelian CIOBICA, Mircea Nicusor NICOARA	The potential toxic effects of two types of pharmaceuticals on the early stages of <i>Danio rerio</i> , using environmentally relevant concentrations

Ramona - Alexandra CIAUȘU, Ionuț-Alexandru CHELARU, Gabriel Andrei ANDRONIC, Dorel URECHE, Mircea Nicușor NICOARĂ	The effects of cephalosporin drugs and polypropylene microplastics in environmental concentrations on <i>Danio rerio</i> behavior
Adrian BURADA, Cristina DESPINA, Nicoleta CIOCEANU, Petre - Bogdan GHEORGHE, Daniela SECELEANU, Mihaela ȚIGĂNUȘ, Iasemin SULIMAN, Orhan IBRAM, Iuliana-Mihaela TUDOR, Aurel NASTASE, Marian TUDOR	First results following the implementation of appropriate reproductive technologies for endangered or declining fish species in the Danube Delta Biosphere Reserve
Theodor-Sebastian TOPLICEANU, Geanina FĂNARU, Miruna - Gabriela VIZIREANU, Elena Alexandra TELEA	The second life of closed quarries: The ecological importance of natural ponds in closed quarries for aquatic birds
Roxana STRUNGARU-JIJIE, Lăcrămioara OPRICĂ, Alexandru CHELARU, Mircea NICOARĂ	Individual and Combined Effects of Microplastics and Hexavalent Chromium at Environmentally Relevant Concentrations on Aquatic Organisms
Teodora UNGUREANU, Andreea Cătălina POPA, Antonio - Valentin TACHE	Designing with Water: Strategies for Resilient Blue Infrastructure in Râmnicu Vâlcea Metropolitan Area
Gabriel - Andrei ANDRONIC, Ionuț - Alexandru CHELARU, Ramona - Alexandra CIAUSU, Dorel URECHE	Dose-dependent effects following exposure of <i>Zebrafish larvae</i> to an antibiotic cephalosporin
Nicoleta BRIȘAN, Carmen ROBA	Preliminary assessment of heavy metals accumulation in sediments of two lakes located in the predeltaic area of the Danube Delta
Alina SPÎNU, Valeria ABAZA, Dragos MARIN, Alexandru CÎNDESCU, Silica PETRIȘOAI, Gulten REIZ	Evaluating and assessing the impact of physical loss on seafloor integrity in the Romanian Black Sea region within the framework of the Marine Strategy Framework Directive
Nicoleta MATEI, Cristina DESPINA, Adrian BURADA, Petre-Bogdan GHEORGHE, Daniela SECELEANU, Mihaela ȚIGĂNUȘ, Iasemin SULIMAN, Orhan IBRAM, Marian MIERLĂ, Matei SIMIONOV, Iuliana-Mihaela TUDOR	The water quality in urban and ecologically restored aquatic ecosystems within the Danube Delta Biosphere Reserve
Elena VLĂSCLEANU, Gulten REIZ, Dragoș NICULESCU, Răzvan MATEESCU	The impact of extreme hydrometeorological phenomena on the Danube Delta coastal area

Section IV, Geographical Information System and Application System Modeling

Valentin PANAIT	Analysis of soil subsidence process within the Murighiol - Dunavăț area of the Danube Delta, through remote sensing techniques
Alexandru BĂNESCU, Simona Dumitrița CHIRILĂ, Mihai DOROFTEI	Modeling flood scenarios and the impact on the <i>Poacynum armenum</i> species in the Danube Delta
Nicu CIOBOTARU, Anca CRĂCIUN, Romulus COSTACHE	Flood Risk Assessment in the Danube Delta Using 2D Hydraulic Modeling Under Climate Change: Near-Term and High-End Projections
Alina SPÎNU, Mariana GOLUMBEANU, Luminița BUGA, Victor NIȚĂ, Valeria ABAZA, Oana MARIN, Adrian FILIMON, Alexandru CÎNDESCU	Strategic and spatial solutions for integrating Marine Protected Areas into Marine Spatial Planning (MSP)